

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 02/21/2022 08:55 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124037	-1	1.28	123954	1.23
Blue	F	SSC	125000	122667	-2	2.56	123110	2.40
Blue	E	FITC	13602	13108	-4	2.24	369	13.22
Blue	D	PE	24891	24285	-3	1.59	579	10.28
Blue	B	PerCP-Cy5-5	33972	33184	-3	2.98	944	14.85
Blue	A	PE-Cy7	22865	22565	-2	5.01	465	31.30
Red	C	APC	47198	46716	-2	2.65	1613	11.23
Red	A	APC-Cy7	26454	25699	-3	3.18	727	12.09
Violet	B	V450	6737	6481	-4	3.44	454	11.51
Violet	A	V500	29317	28085	-5	2.97	962	7.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24006	2.33	538	3	N/A	N/A	Pass
Blue	F	SSC	55162	1.97	519	-2	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	3	0.0450	98	Pass
Blue	D	PE	113	37.53	490	4	0.4073	277	Pass
Blue	B	PerCP-Cy5-5	149	42.77	583	4	0.0205	125	Pass
Blue	A	PE-Cy7	75	83.92	626	5	0.0216	5	Pass
Red	C	APC	340	25.33	571	-1	0.0298	203	Pass
Red	A	APC-Cy7	134	34.73	548	-3	0.0067	1451	Pass
Violet	B	V450	77	46.21	450	0	0.0506	1920	Pass
Violet	A	V500	112	30.45	469	0	0.0292	1003	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.85	-31.57	1.01
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.58	13.90 - 20.86	N/A	N/A	29.89	30.17	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12622

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments